

Perma Seal Crack & Seam Filler 4500

Description

BEP Perma Seal Crack & Seam Filler 4500 is a white, fiber re-enforced, UV stable structural adhesive and detail sealant used to fill voids and seams and to bond dissimilar materials. Crack & Seam Filler can be applied to a wide range of surfaces and substrates that have been prepared per the BEP Perma Seal Application Methods shown below.

Crack & Seam Filler 4500 is part of the BEP Perma Seal sealant/waterproofing and roof coating family of products.

Features/Benefits

- UV stable/Long term weather exposure
- Large joint and seam filler/Bridges gaps up to ¾" on multiple substrates
- One part product/No mixing necessary
- Single step application/No primers required
- Advanced proprietary technology/Outperforms standard polymers
- Superior shore hardness/Prevents filler wear and tear
- Paintable/Color matching flexibility
- Ideal viscosity/Low sag supports vertical and horizontal tie in/transitions
- Wet surface application/Bonds and cures in wet conditions
- Exceptional adhesion/Bonds to multiple substrates
- Environmentally friendly/Solvent free, isocyanate free, low VOC
- 100% Solids/No application shrinkage

Approved Applications

Can be used to fill voids and seams in roof surfaces and other substrates.

An ideal adhesive sealant to install functional and architectural construction elements such as scuppers, spark arrestors, wall caps etc.

Indoor building weathertight crack sealant/filler.

Deck seam and crack filler for under approved top coatings.

Application Methods

Gun applied.

Surface temperatures must be between 33° F - 100° F.

Surface areas must be clean, free of grease, oil, mill scale, dust or other contaminants.

Use sand paper or other abrasive material to scuff any metal, PVC or ABS surfaces which come in contact with *Perma Seal Crack & Seam Filler*.

If additional coats of material are required, this product must be cleaned with approved solvent and brought back to tacky.

Crack & Seam Filler 4500 is fully compatible with all other components of the BEP Perma Seal family of products.



Packaging Options

20 oz. Sausage Tube (4500-20)

Typical Cured Properties

Hardness, Shore A	60-70
Tensile Strength	250-350 psi
Elongation	215-250%
Tear Strength	40-50 psi
Peel Strength	59 PLI

Uncured Properties

Tack Free Time	<45 minutes
Cure Rate	1/8" – 16 hrs.

Note: Cure rates will vary based upon the relative humidity of the application environment.

VOC Content	<30g/liter
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Product Color

White

Shelf Life

12 months from manufacture date in unopened packaging.

Store below 80°F.



Suitable Substrates

Concrete	Masonry	Steel
Aluminum	DensGlass	Wood
Pressure Treated Wood	Galvanized Metals	Fiberglass
EPDM	TPO	PVC
Built Up/Modified	Single Ply Polyurethane Foam	

Approved Solvents

Mineral Spirits	Denatured Alcohol	VM&P
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Standards Testing Compliance

- ASTM E-84 - flame spread and smoke development
- ASTM C 661 - shore hardness
- ASTM D 412 - elongation
- ASTM D-2240 - hardness
- ASTM D-2370 - tensile strength
- ASTM D-1004 - tear resistance
- ASTM A584/D6290 – UV stability/weatherization

Dilution and Mixing

Apply as packaged. Do not dilute or alter.

Ordering/Technical Information

Contact Dominus Innovations: 813-279-1902

Limited Product Warranty

Since many factors affect the results obtained from this product, the manufacturer warrants only that this product is free from defects. Manufacturer will replace at no charge any product proven to be defective within 12 months of purchase.

The data provided pertains to this BEP Perma Seal product and is based on the information available at this time. The addition of reducers or any other additive to this product may alter its composition. Since we do not control the use of this information we make no warranties expressed or implicit and assume no liability in connection with any use of this information.

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